

DAT notes for 24 March 2011

Attendees: Angela Llaban, Francine Mejia, and Andy Chu (DWR), Jerry Morinaka and Julio Adib-Samii (DFG), Bruce Oppenheim (NMFS), Leigh Bartoo and Nick Hindman (USFWS), Laura Kimm (KCWA)

DFG & USFWS TRAP REPORT

Knight's Landing: March 17-23, 2011

Average flows 26,367 cfs, Ave. temp 51°F, Ave. turbidity 116.8 NTU

Total catch increased since last week. Catch is of mostly fall run Chinook. There were some spring run caught as well. F+S CPUE was 0.74 last week on 3/17 and increased to 72.76 on 3/23. Five winter-run were caught during this period. W+LF CPUE ranged from 0-1. Three hatchery Chinook and one hatchery steelhead were also caught.

Chinook monitoring data can be found at: <http://www.water.ca.gov/swp/operationscontrol/calfed/calfedmonitoring.cfm>

USFWS TRAWL & SEINE REPORT

Salmonids- USFWS Trawl and Seine Report for 03/13/2011 to 03/19/2011				
Species*	Chipps Is MWTR	Sacramento KDTR	Mossdale KDTR	Beach Seines
CHNF	0	20	0	348
CHNLF	0	0	0	0
CHNW	4	3	0	1
CHNS	0	3	0	117
CHN hatchery	0	0	0	3
SH - wild	0	0	0	0
SH - hatchery	1	0	0	2
*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin Field sampling seasons for all trawls and seines begins 1 August 2010 and ends 31 July 2011.				

Smelts and Others- USFWS Trawl and Seine Report for 03/13/2011 to 03/19/2011								
	Chipps Is		Sacramento		Mossdale		Beach Seine	
Species	#	Size Range	#	Size Range	#	Size Range	#	Size Range
DSM	10	64-81mm	0	-	0	-	23	64-75mm
LFS	0		0		0		0	
SPT	1		0		0		1	
GST	0		0		0		0	
WST	0		0		0		0	

Note: 20 delta smelt from the beach seines were caught at Clarksburg and Garcia Bend. At Chipps Island, no delta smelt expression was exhibited.

SALVAGE REPORT

Salmonids - Salvage report for 03/14/2011 to 03/20/2011								
Species	CVP Adipose Clip Hatchery		CVP Non-Adipose Clip Wild		SWP Adipose Clip Hatchery		SWP Non-Adipose Clip Wild	
	Salvage	Loss	Salvage	Loss	Salvage	Loss	Salvage	Loss
CHNF	0	0	2	1	0	0	4	17
Total to Date	36	25	535	326	94	401	80	329
CHNLF	0	0	0	0	0	0	0	0
Total to Date	224	154	160	105	469	2009	36	152
CHNW	17	12	145	105	5	22	140	619
Total to Date	150	102	761	518	306	1321	772	3395
CHNS	0	0	36	23	0	0	12	50
Total to Date	0	0	64	39	0	0	16	67
Sum of all Races to Date	410	281	1521	988	869	3732	904	3943
SH	4	-	12	-	4	-	1	-
Total to Date	200	-	85	-	399	-	179	-
*Species based on FL only; Adipose Clips indicates hatchery stock; Non-Adipose Clip indicates in-river origin								

Smelt and Others – Salvage report for 03/14/2011 to 03/20/2011		
Species	CVP Salvage	SWP Salvage
DSM	12	0
Total to Date	24	0
LFS	0	0
Total to Date	4	0
SPT	16	29
Total to Date	242	1253
GST	0	0
Total to Date	0	2
WST	0	0
Total to Date	0	0

From 3/21 – 3/23, an additional 20 delta smelt were salvaged at the CVP (seasonal salvage = 44 to 3/23). Smelt larval collections started on 3/17 at both fish collection facilities. No delta smelt or longfin smelt larvae were collected at the state facility between 3/17-3/20. No delta smelt or longfin smelt larvae were collected at the federal facility through 3/19.

Combined season total loss of winter-run length non-clipped Chinook is 3,913. The 2 % incidental take level is 6,640. The combined season total salvage for non-clipped Steelhead is 264. The consultation criterion for non-clipped Steelhead is 3,000.

SWP & CVP Older Juvenile* Chinook Loss Density	
Date	Combined Older Juvenile Loss Density (fish/TAF)
03/14/2011	11.70
03/15/2011	3.44
03/16/2011	7.26
03/17/2011	6.10
03/18/2011	6.16
03/19/2011	4.78
03/20/2011	11.51
*Older juveniles defined as all Chinook above the minimum winter run length (Delta Model); Loss density based on loss data obtained from DFG	

SMELT MONITORING

20mm Survey 1 completed a full survey (47 stations) last week. Processing is ongoing; available smelt data are attached and posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=20mm>. SLS Survey 5 completed a full survey (35 stations) this week. Processing is ongoing; available data will be posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SLS>. Spring Kodiak Trawl data have been posted to <http://www.dfg.ca.gov/delta/projects.asp?ProjectID=SKT>.

SMELT WORKING GROUP

The SWG met this week and reviewed and discussed all relevant data from the 20-mm fish survey, salvage, hydrology, water quality conditions, and planned project operations. No recommendations were made for delta smelt or longfin smelt. The group estimated that the overall risk of entrainment for larva and adults delta smelt and longfin smelt was low given the distributional data from recent surveys and favorable hydrology and turbidity.

Partial results from the 20-mm survey indicate that most longfin smelt are in the Suisun Bay and Sacramento River system; one longfin smelt was caught in the Central South Delta (station 809). So far, only 4 delta smelt have been caught in the 20-mm survey (stations 606, 609, 707, and 719). Delta smelt were salvaged at CVP on 3/15, 3/19 and 3/20 (4 fish each day). No longfin smelt or delta smelt were salvaged at SWP.

DOSS

DOSS recommended continuing to operate to an OMR flow limit of no more negative than -2,500 cfs until 3 consecutive days below either the first, or second loss density trigger in the NMFS BiOp is reached. Also, DOSS advised using the Tisdale RST, at least for one year, as the location for the new monitoring station on the Sacramento River required by the NMFS BiOp.

OPERATIONS

Summary for March 24, 2011			
SWP		CVP	
Clifton Court (cfs)	0	Jones Pumping Plant (cfs)	0
Outflow (cfs)	207, 200	American- Nimbus (cfs)	20,000
Oroville (cfs)	30,000	Keswick (cfs)	21,000
San Luis Total (TAF)	2,034	Goodwin (cfs)	1,300
San Luis Share(TAF)	1,067	San Luis Share (TAF)	
X2 (Km)	< 56		
E/I (%)	5.7%		
OMR (daily)	-556 (CDEC)		
OMR 5 day (cfs)	-2405		
OMR 14 day (cfs)	-2488		

Daily operations summary can be viewed at: <http://www.water.ca.gov/swp/operationscontrol/docs/delta/deltaops.pdf>

Due to low available storage south of the Delta and extra water in the California Aqueduct from recent storms, there is minimal opportunity for the Projects to take in extra water. Banks Pumping Plant was reduced to 0 pumping at 0700 on 3/23/11. Jones Pumping Plant was reduced by 4 units at 1900 on 3/23/2011 resulting in operation at 0 units.

Respectfully submitted,

Angela Llaban & Cynthia LeDoux-Bloom